

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

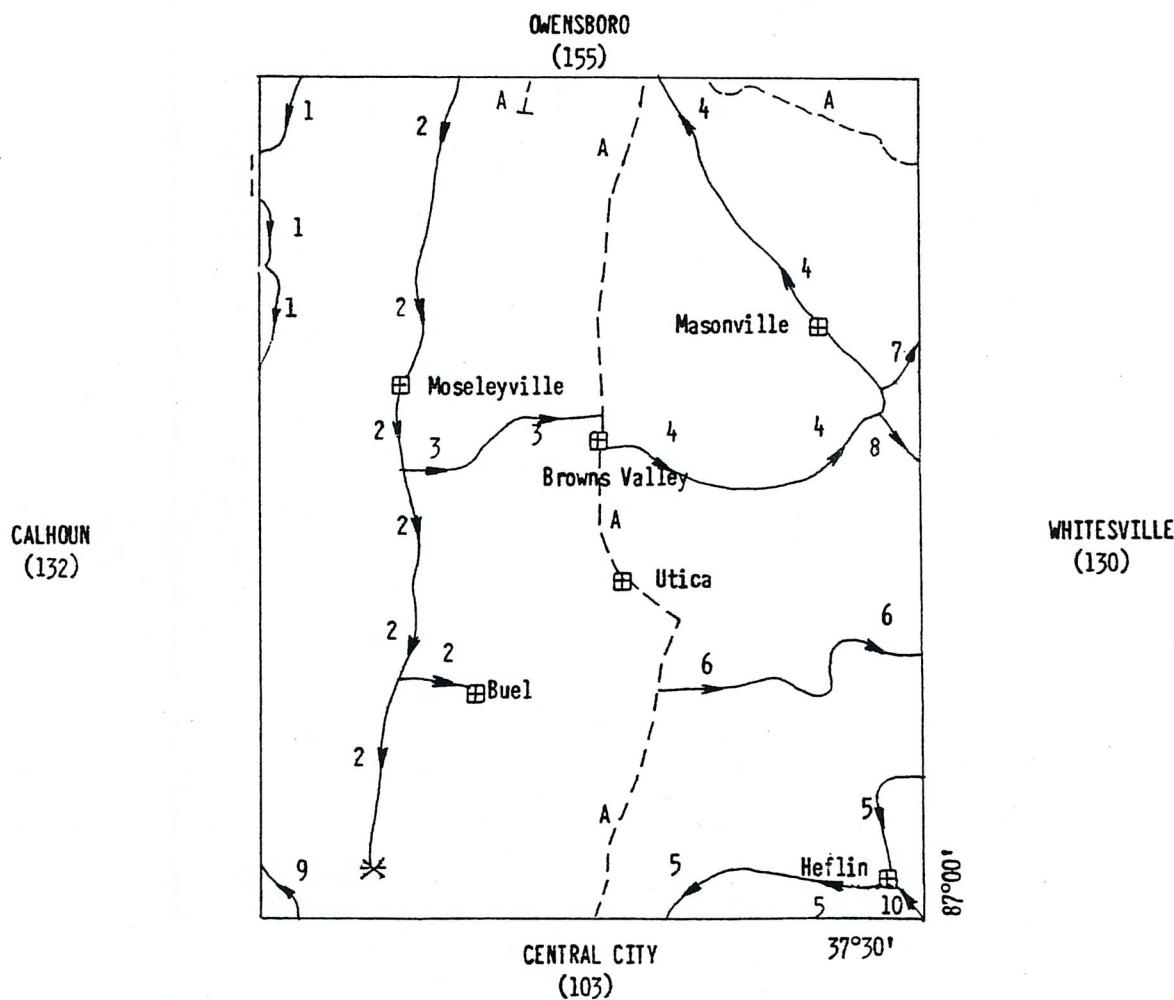
37-087-12
SUTHERLAND QUADRANGLE
131 KENTUCKY
N3730-W8700/15
DIAGRAM NJ 16-8
EVANSVILLE

Daviess, McLean and
Ohio Counties

Final adjustment of 1972

Edition of 8/9/74

PR: CRV/mjh



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370871

* TIE TO ISOLATED CONTROL

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ISOLATED BENCH MARKS (By H. W. Peabody, 1907; Bull. 554)

Feet

Utica, about 400 ft NW. of Louisville and Nashville Railroad Station, about 220 ft NE. of NE. rail, 28 ft NW. of centerline of Calhoun Road, in SE. brick wall of Utica Deposit Bank, 1 ft NE. of S. corner, set vertically about 1.2 ft higher than sidewalk; standard tablet stamped "418 LOUISVILLE" (Tied by NGS, 1935)	416.289
Petit, 0.9 mi S. of, nearly opposite Smith Road, in N. base of chimney at N. end of house owned by Albert Sisson; standard tablet stamped "390 LOUISVILLE" (Not found, 1953)	389.085
Lyddone Bridge, 1.0 mi SE. of St. Raphael Church, in sandstone foundation of bridge over Panther Creek; standard tablet stamped "384 ADJ 1903" (Not found, 1953)	383.008
Moseleyville, 0.9 mi NE. of, in base of chimney on W. side of N. end of house; standard tablet stamped "396 LOUISVILLE" (Not found, 1953)	394.901
Heflin, 0.9 mi W. of, 600 ft E. of Woodwards Valley Church, in NE. corner of rock foundation of iron bridge over Barnett Creek; standard tablet stamped "388 ADJ 1903" (Not found, 1950)	387.117
Livia, 1.0 mi E. of, W. side of base of chimney at W. end of residence of Mrs. R. Tanners, 1.3 ft from ground; standard tablet stamped "476 LOUISVILLE" (Not found, 1953)	474.959

LINE 1.

J. D. Nikolaus, 1950; Book AV 210

Sorgho, 0.8 mi E. of, along State Highway 54, thence 1.9 mi S. along graveled rd.; 25 ft N. and 18 ft E. of junction of T-rd. E.; 5 ft E. of cornerfencepost; in SW. corner of cultivated field; in concrete post; standard tablet stamped "63 JDN 1950 402"	402.285
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Jogs into Calhoun quadrangle

West Louisville, 1.9 mi SE. of, along graveled rd., thence 1.7 mi E.; 17 ft N. and 29 ft W. of junction of T-rd.; 22 ft S. of power pole; 15 ft NE. of W. end of concrete pipe culvert; in concrete post; standard tablet stamped "65 JDN 1950 389"	389.009
Reference mark, 42 ft SE. of tablet, on E. end of concrete pipe culvert; chiseled square	387.31

LINE 2.

J. D. Nikolaus, 1950; Book AV 210

Rome, 1.3 mi N. of, 15 ft N. and 24 ft W. of junction of State Highway 81 and T-rd. W., 18 ft NE. of SW. corner fence post, 26 ft N. of power pole, in concrete post; standard tablet stamped "56 JDN 1950 403" (Destroyed, 1968)	402.365
Rome, 0.7 mi S. of, 5 ft N. and 30 ft W. of junction of State Highway 81 and T-rd. E., 9 ft S. of power pole, 2 ft W. of edge of ditch, in concrete post; standard tablet stamped "57 JDN 1950 396" (Destroyed, 1968)	395.774

LINE 2 (Cont'd.)Feet

- Moseleyville, 4.0 mi S. of Rome, 105 ft S. of E.-S. Saltsman Grocery Store, 114 ft NW. of junction of Y-rd. forks, 21 ft W. of center of State Highway 81, at S. tip of grass triangle formed by rd. forks, in concrete post; standard tablet stamped "58 JDN 1950 391" 390.773
- Moseleyville, 2.5 mi S. of, 8 ft S. and 18 ft W. of junction of State Highway 81 and T-rd. E., 30 ft S. of SW. corner of concrete culvert, 27 ft NE. of power pole, in concrete post; standard tablet stamped "59 JDN 1950 406" (Destroyed, 1956) 405.863

Glenville, 5.2 mi S. of Moseleyville, 35 ft N. and 34 ft E. of crossroads, about 210 ft NE. of A. H. Peck Grocery Store, 75 ft N. of small concrete shed, on side of bank about 3 ft higher than road, in concrete post; standard tablet stamped "60 JDN 1950 442" 440.965

Glenville, 2.9 mi S. of, 2.0 mi W. of Buel along gravel rd., 38 ft N. and 28 ft W. of T-rd. N., 39 ft SW. of stop sign; 4 ft W. of edge of bank, at SE. corner of field, in concrete post; standard tablet stamped "61 JDN 1950 433" 432.215

Buel, opposite McEwen's General Store, in base of outside chimney at E. end of residence of Mrs. Susan A. Davis; standard tablet stamped "446 LOUISVILLE" 445.484

Glenville, 2.9 mi S. of; standard tablet stamped "61 JDN 1950 433" (Previously described) 432.215

Glenville, 5.0 mi S. of, 27 ft NW. of center of rd., 31 ft E. of power pole in field, 11 ft NE. of T-fence post, 3 ft SE. of fenceline, in concrete post; standard tablet stamped "62 JDN 1950 402" 400.791

U. E., Glenville, 6.1 mi S. of, on corner of SW. concrete wingwall of bridge over Hainer Creek; chiseled square 382.17

Calhoun, 3.5 mi SE. of, 6.3 mi S. of Glenville, on Green River; U.S.C.E. standard iron pipe with cap stamped "68" 387.220

LINE 3.

J. D. Nikolaus, 1950; Book AV 210

"59 JDN 1950 406" (Described in line 2) 405.863

Moseleyville, 2.5 mi S. thence 2.6 mi E. of, 32 ft S. and 39 ft E. of rd. junction, 17 ft W. of center of driveway to house, 38 ft S. of power pole, 8 ft S. of edge of bank, about 3.5 ft higher than rd., in concrete post; standard tablet stamped "89 JDN 1950 419" (Destroyed, 1956) 418.823

"L 72 1935" (NGS) 391.046

LINE 4.Feet

J. D. Nikolaus, 1950; Book AV 210

"K 72 1935" (NGS) (Not found, 1967)

405.924

Browns Valley, 2.3 mi E. of, 36 ft SW. of grass triangle formed by Y-rd. forks SW., 85 ft W. of 10-in. walnut tree, 80 ft NE. of telephone pole, 5 ft W. of W. edge of drainage ditch, in concrete post; standard tablet stamped "71 JDN 1950 472"
 (Disturbed, 1953) (Not found, 1967)

471.789

Browns Valley, 5.1 mi E. of, 14 ft NW. of white frame house, 25 ft NW. of center of rd., 6 ft NW. of NW. edge of ditch, 4 ft NE. of corner fence post, in concrete post; standard tablet stamped "72 JDN 1950 494"

494.120

Masonville, 2.1 mi SE. of along State Highway 71, 7.3 mi E. of Browns Valley, 55 ft SE. of crossroads, 18 ft E. of center of State Highway 71, 35 ft SW. of telephone pole, in concrete post; standard tablet stamped "73 JDN 1950 400" (Not found, 1956)

399.720

Reference mark, 330 ft NW. of tablet, at SW. corner of concrete bridge; chiseled square

399.84

Masonville, 30 ft N. and 40 ft E. of crossroads, 2 ft W. of corner fence post, 35 ft S. of telephone pole, in concrete post; standard tablet stamped "74 JDN 1950 422"

422.178

Reference mark, 60 ft SW. of tablet, at NW. end of concrete drainage structure on State Highway 71; chiseled square

426.71

Masonville, 3.6 mi NW. of along State Highway 71, 1.0 mi N. of bridge over North Fork of Panther Creek, 30 ft N. and 26 ft E. of crossroads, 2 ft SW. of corner fence post, in concrete post; standard tablet stamped "75 JDN 1950 398" (Not found, 1967)

398.076

Reference mark, 70 ft NW. of tablet, at SW. corner of E. headwall of concrete culvert; chiseled square

400.64

LINE 5.

J. D. Nikolaus, 1950; Book AV 210

"82 JDN 1950 394" (Destroyed, 1972)

393.365

Heflin, 0.4 mi W. of along State Highway 136, thence 1.7 mi N. along county rd., 550 ft E. of steel rail bridge over Barnetts Creek, 25 ft N. of W. apex of triangle formed by rd. junction, 14 ft N. of center of E.-W. rd., in concrete post; standard tablet stamped "TT 102 HF 1950 390"

390.145

Heflin, 0.4 mi W. of, about 1000 ft E. of concrete bridge over Barnetts Creek, 28 ft S. of junction of T-rd. N. and State Highway 136, in concrete post; standard tablet stamped "TT 103 HF 1950 386"

386.192

LINE 5 (Cont'd.)

Reference mark, 0.2 mi W. of tablet, at SE. corner of S. headwall of concrete bridge over creek; chiseled square

390.78

Heflin, 2.2 mi W. of along State Highway 136, 310 ft E. of SE. corner of concrete bridge over Handley Branch, 27 ft S. and 24 ft E. of junction of T-rd. S., 4 ft NE. of power pole, 10 ft E. of U.S.E.D. sign post, in concrete post; standard tablet stamped "83 JDN 1950 390 TT"

389.455

Livermore, 2.6 mi NE. of along State Highway 136, 4.4 mi W. of Heflin, 45 ft N. and 27 ft E. of junction of T-rd. N., 3 ft S. of fenceline, 10 ft E. of telephone pole, in concrete post; standard tablet stamped "84 JDN 1950 396 TT"

396.248

LINE 6.

J. D. Nikolaus, 1950; Book AV 210

"H 72 1935" (NGS)

454.159

Utica, 3.0 mi SE. of along gravel rd., 83 ft SW. of Y-rd. forks, 15 ft W. of driveway to house, 5 ft S. of fence row, in concrete post; standard tablet stamped "86 JDN 1950 445"

444.735

Utica, 5.4 mi SE. of along gravel rd., 2.0 mi S. of Andersonville, 105 ft NE. of NE. corner of H. G. Smith and Son's Grocery Store, 28 ft N. and 51 ft E. of crossroads, 5 ft S. of 10-in. maple tree, 2 ft N. of edge of bank, in concrete post; standard tablet stamped "87 JDN 1950 430"

430.157

Reference mark, 85 ft SW. of tablet, at NW. corner of NW. wingwall of concrete bridge over drain; chiseled square

430.07

LINE 7.

J. D. Nikolaus, 1950; Book AV 210

Pleasant Ridge, 2.3 mi NW. of along State Highway 71, 105 ft N. and 9 ft W. of junction of Y-rd. forks, 18 ft NW. of tip of grass V formed by road forks, 12 ft SW. of stop sign, in concrete post; standard tablet stamped "79 JDN 1950 448"

447.486

Masonville, 1.5 mi SE. of along State Highway 71, thence 1.6 mi NE. along State Highway 142, 1.8 mi SW. of Habit, 18 ft S. and 21 ft E. of junction of hwy. and T-rd. E., 13 ft NE. of pole, at NW. corner of field, in concrete post; standard tablet stamped "77 JDN 1950 486"

485.515

LINE 8.

J. D. Nikolaus, 1950; Book AV 210

U. E. chiseled square (Described in line 4)

399.84

LINE 9.

J. J. Spahr, 1950; Book AV 216

There are no marks in this line in this quadrangle.

SUTHERLAND QUADRANGLE

131 KENTUCKY

37-087-12

7

LINE 10.

Feet

J. J. Spahr, 1950; Book AV 216

"TT 103 HF 1950 386" (Described in line 5)

386.192

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-087-12
SUTHERLAND QUADRANGLE
131 KENTUCKY
N3730-W8700/15
DIAGRAM MJ 16-8
EVANSVILLE

Daviess, McLean, and Ohio Counties

Edition of 10/29/76

PR: CRV/rnm

Plane coordinates are based on Lambert projection, Kentucky, South Zone

Only the permanent marks are listed for control classified obsolete and are not shown on sketch

CALHOUN
(132)

OWENSBORO
(155 KY.-4 IND.)

Sutherland ■
■
Moseleyville ■
Masonville

WHITEVILLE
(130)

田 Utica

Nuckols

CENTRAL CITY
(103)

8700'

$37^{\circ}30'$

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

131 KENTUCKY
SUTHERLAND QUADRANGLE

37-087-12
N3730-W8700/15

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M 72 1935	5

131 KENTUCKY
SUTHERLAND QUADRANGLE

37-087-12

3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ′ ″	° ′ ″

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By A. Salloom, 1950; Book AH 202

Sorgho, 0.8 mi E. of, along State Highway 54, thence 1.9 mi S. along graveled rd.; 25 ft N. and 18 ft E. of junction of T-rd. E.; 5 ft E. of corner fencepost; in SW. corner of cultivated field; in concrete post; standard tablet stamped "63 JDN 1950 402"

X = 1,568,347	Y = 512,566	37 43 54.41	87 14 33.33
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West Louisville, 1.9 mi SE. of, along graveled rd., thence 1.7 mi E. and 17 ft N. and 29 ft W. of junction of T-rd.; 22 ft S. of power pole; 15 ft NE. of W. end of concrete pipe culvert; in concrete post; standard tablet stamped "65 JDN 1950 389"

X = 1,568,276	Y = 494,604	37 40 56.83	87 14 30.70
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By H. P. Finch, 1950; Book AH 202

Red Hill, 1.4 mi E. of; 27 ft S. and 3 ft W. of centerline of rd. at junction of Y-rd. NW.; 100 ft NW. of white house; 10 ft S. of telephone pole; in concrete post; standard tablet stamped "TT 87 HF 1950"

X = 1,632,559	Y = 466,540	37 36 28.68	87 01 06.43
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Masonville, 2.1 mi SE. of, along State Highway 71; 7.3 mi E. of Browns Valley; 55 ft SE. of crossroads; 18 ft E. of centerline of Highway 71; 35 ft SW. of telephone pole; in concrete post; standard tablet stamped "73 JDN 1950 400" (Not found, 1956)

X = 1,634,552	Y = 481,034	37 38 52.23	87 00 44.07
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Masonville, 1.3 mi SE. of, along State Highway 71; 0.2 mi N. of Bartletts Grocery; in center of triangle formed by junction of State Highway 142; in concrete post; standard tablet stamped "TT 89 HF 1950" (Reported destroyed, 1957)

X = 1,632,643	Y = 485,035	37 39 31.53	87 01 08.47
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"82 JDN 1950 394" (Destroyed, 1972)

X = 1,634,448	Y = 441,743	37 32 23.78	87 00 38.83
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Heflin, 0.4 mi W. of, along State Highway 136, thence 1.7 mi N.; 550 ft E. of steel rail bridge over Barnett Creek; 25 ft N. of W. apex of triangle formed by junction of rd.; 14 ft N. of centerline of E.-W. rd.; in concrete post; standard tablet stamped "TT 102 HF 1950 390"

X = 1,633,400	Y = 436,786	37 31 34.64	87 00 51.02
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131 KENTUCKY
SUTHERLAND QUADRANGLE

37-087-12

4

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ′ ″	° ′ ″

OBSOLETE MARKS (Cont'd.)

Heflin, 0.4 mi W. of; 0.2 mi E. of concrete bridge over Barnett Creek; 28 ft S. of centerline of State Highway 136 at junction of T-rd. N.; in concrete post; standard tablet stamped "TT 103 HF 1950 386"

X = 1,633,149 Y = 429,277 37 30 20.37 87 00 52.88

By J. R. Harris, 1951; Book AH 202

Heflin, 2.2 mi W. of, along State Highway 136; 310 ft E. of SE. corner of concrete bridge over Handley Branch; 27 ft S. and 24 ft E. of junction of T-rd. S.; 4 ft NE. of power pole; 10 ft E. of signpost; in concrete post; standard tablet stamped "83 JDH 1950 390 TT"

X = 1,621,320 Y = 432,024 37 30 45.93 87 03 20.15

Livermore, 2.6 mi NE. of, along State Highway 136; 4.4 mi W. of Heflin; 45 ft N. and 27 ft E. of junction of T-rd. N.; 10 ft E. of telephone pole; 3 ft S. of fenceline; in concrete post; standard tablet stamped "84 JDH 1950 396 TT"

X = 1,610,546 Y = 430,422 37 30 28.60 87 05 33.57

Nuckols, 1.6 mi S. of Buck Creek Church, along U. S. Highway 431; 27 ft S. and 38 ft W. of crossroads; 31 ft W. of centerline of Highway 431; 22 ft ENE. of 24-in. black oak tree; 4 ft S. of powerline pole; in concrete post; standard tablet stamped "TT 2 JRH 1951"

X = 1,605,026 Y = 435,956 37 31 22.53 87 06 43.07

Nuckols, 1.6 mi N. of, along U. S. Highway 431; at Buck Creek Church; 149 ft WSW. of SW. corner of church; 31 ft E. of centerline of hwy.; 150 ft MNE. of store of C. T. Hagerman; 14 ft SW. of 10-in. maple tree; 8 ft N. of 10-in. maple tree; 1 ft S. of white wooden postline of church lawn boundary; in concrete post; standard tablet stamped "TT 3 JRH 1951"

X = 1,606,009 Y = 444,296 37 32 45.12 87 06 32.35

Utica, 0.7 mi SE. of station, along Louisville and Nashville Railroad; 0.5 mi NW. of milepost 202; 34 ft NW. of centerline of U. S. Highway 431; 27 ft E. of, and 2 ft lower than E. rail of track; 4 ft SW. of telephone pole; in concrete post; NGS standard disk stamped "H 72 1935"

X = 1,607,303 Y = 462,265 37 35 42.95 87 06 18.94

Utica, 2.6 mi NW. of station, along L. & N. RR.; 0.2 mi S. of milepost 206; 6 rails NW. of crossing of U. S. Highway 431; 26 ft SE. of SE. rail; 6 ft N. of fence corner; 2 ft NW. of fenceline; in concrete post; NGS standard disk stamped "K 72 1935"

X = 1,603,751 Y = 478,468 37 38 22.63 87 07 06.54

131 KENTUCKY
SUTHERLAND QUADRANGLE

37-087-12

5

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANET COORDINATES, FEET		° , "	° , "

OBSOLETE MARKS (Cont'd.)

Utica, 3.3 mi NW. of station, along L. & W. RR.; 0.5 mi S. of milepost 207; 75 ft S. of centerline of graveled rd. crossing; 44 ft SW. of telephone pole; 23 ft W. of, and 4 ft lower than W. rail of track; in concrete post; NGS standard disk stamped "L 72 1935"

X = 1,603,405 Y = 482,278 37 39 00.24 87 07 11.52

Sutherland; at rd. crossing; 26 ft N. of centerline of graveled rd.; 25 ft E. of, and 1 ft higher than E. rail of track; 5 ft SW. of 20-in. maple tree; 2 ft W. of fenceline; in concrete post; NGS standard disk stamped "M 72 1935"

X = 1,603,105 Y = 489,515 37 40 11.74 87 07 16.56

MARK TIED BY NGS

By J. R. Harris, 1951; Book AH 202

Utica, 1.2 mi S. of, along U. S. Highway 431, thence 0.2 mi W. along dirt rd.; 1.5 mi N. of Livia; 160 ft W. of abandoned rd. crossing; 22 ft N. of centerline of dirt rd.; 6 ft N. of 16-in. oak tree; 6 ft WSW. of 8-in. ash tree; on bank; in concrete post; standard tablet stamped "IT 4 JRH 1951"

X = 1,606,574.45 Y = 460,132.91 37 35 21.769 87 06 28.164